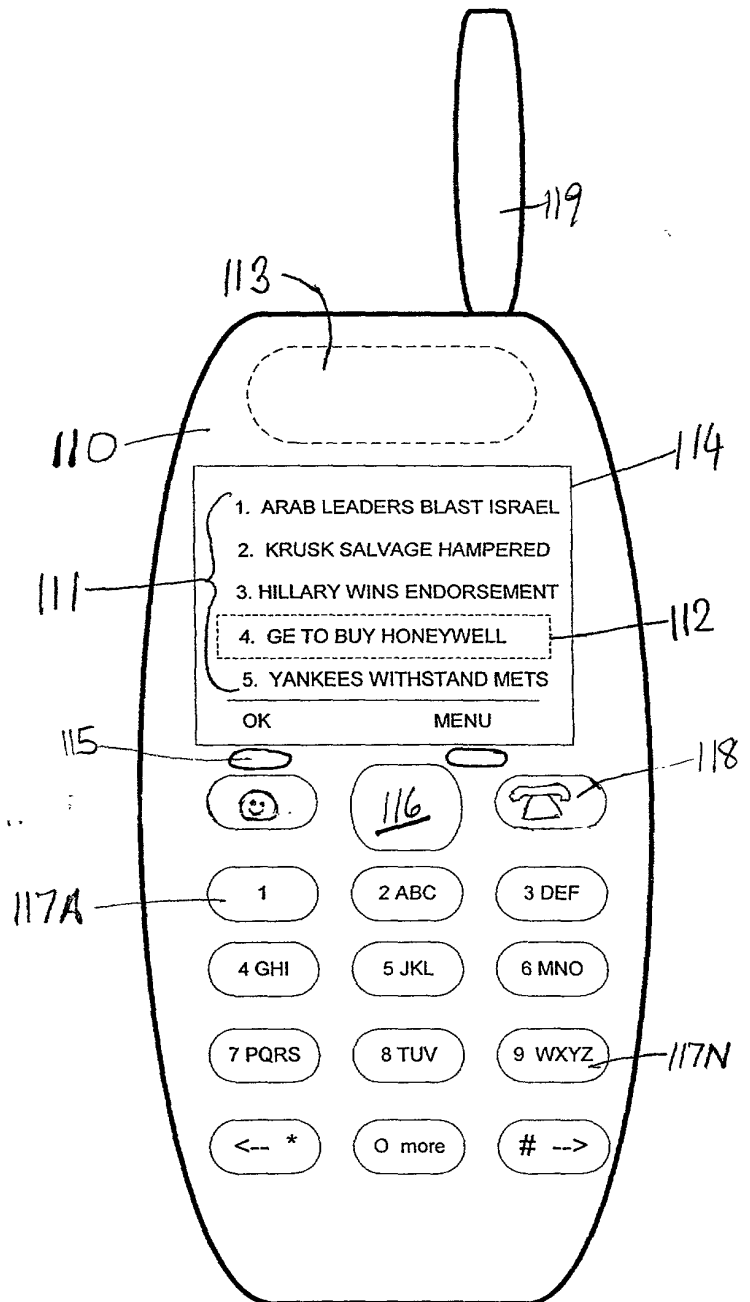
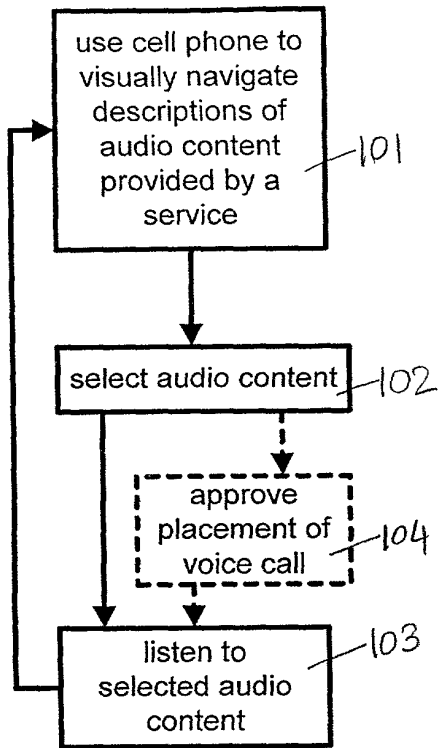


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FIG. 3A

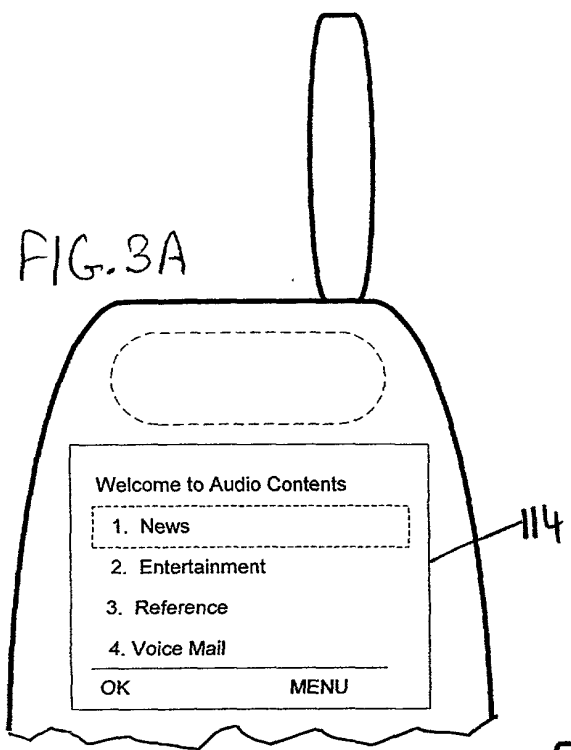


FIG. 3B

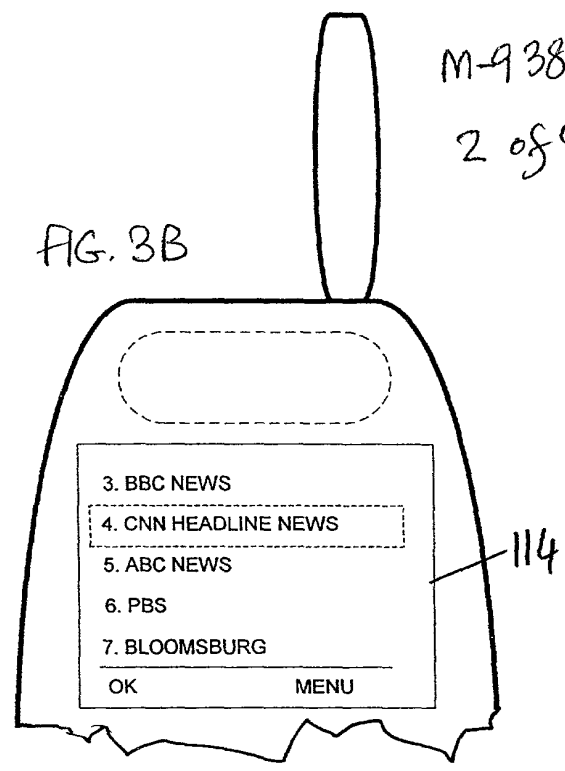


FIG. 4

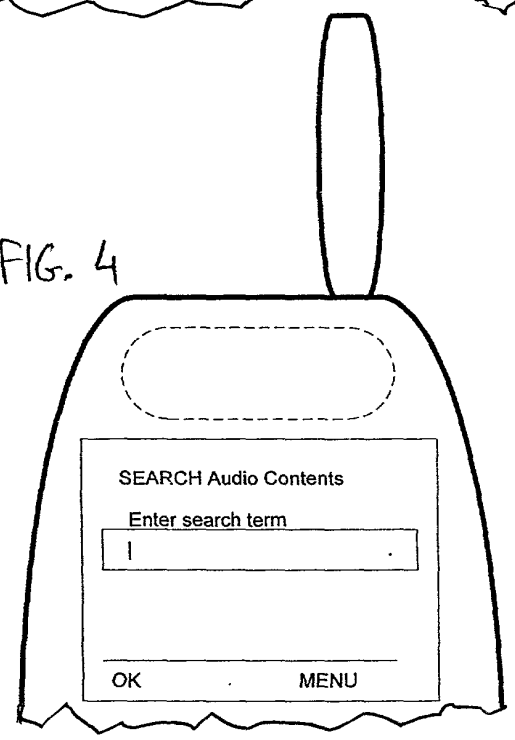


FIG. 5

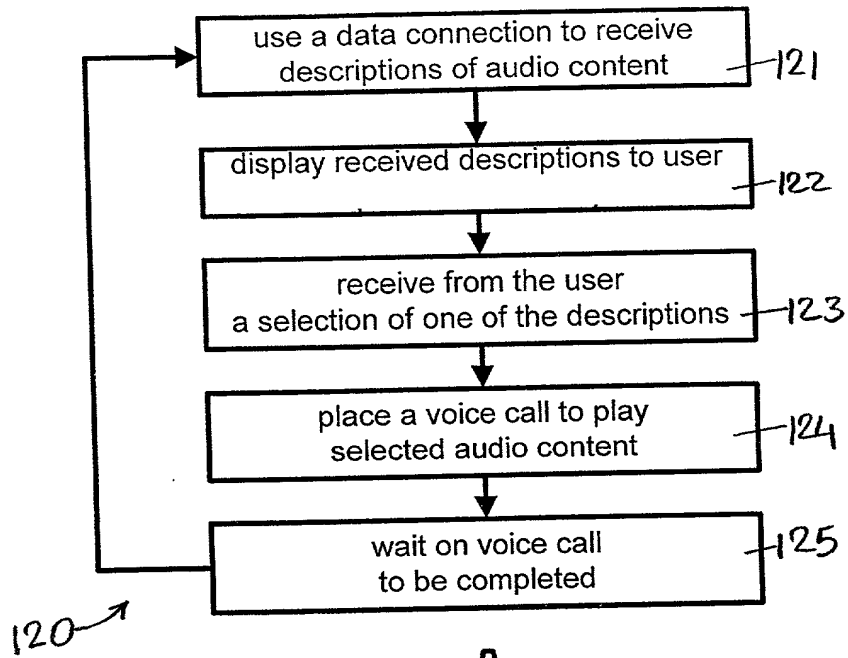
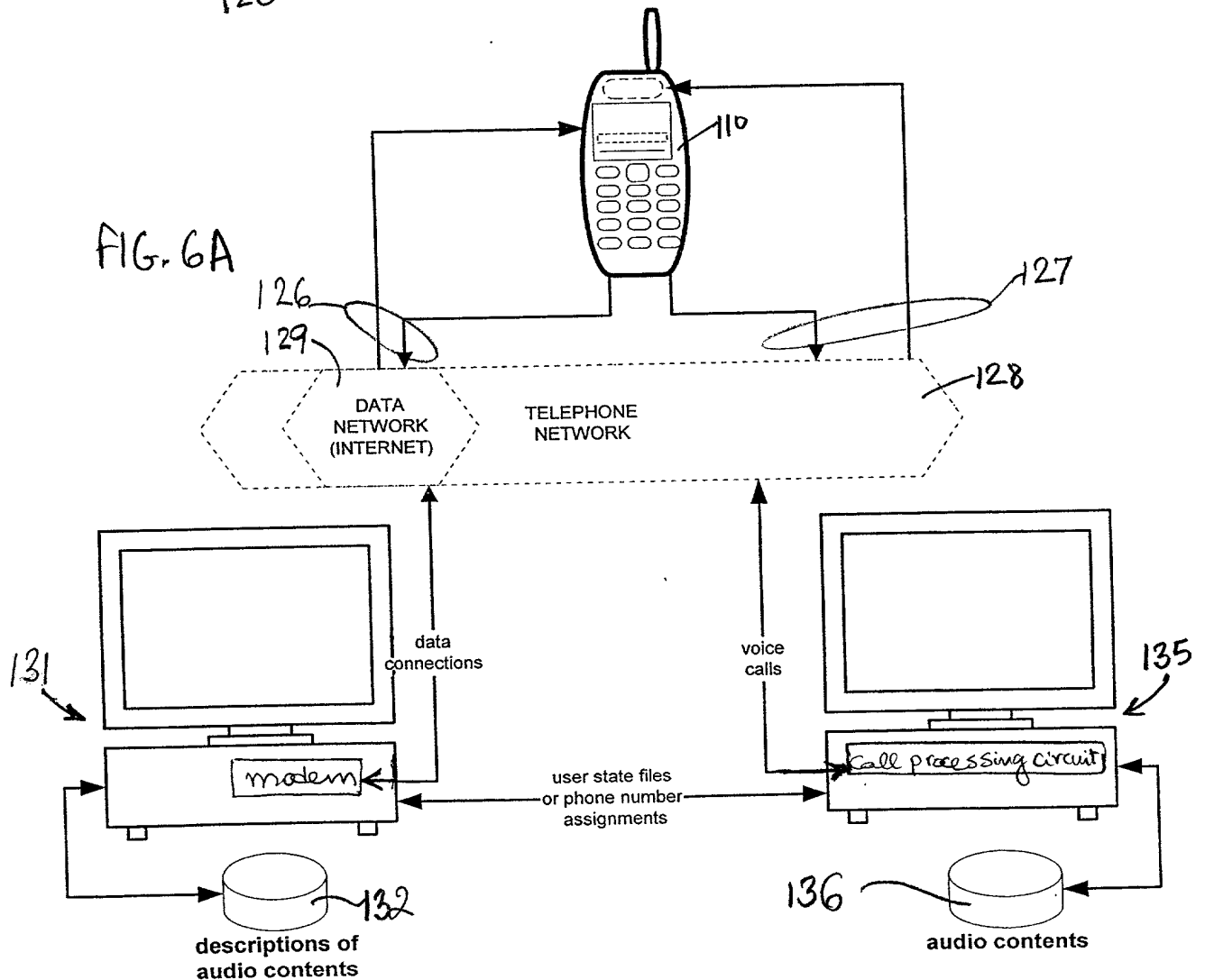


FIG. 6A



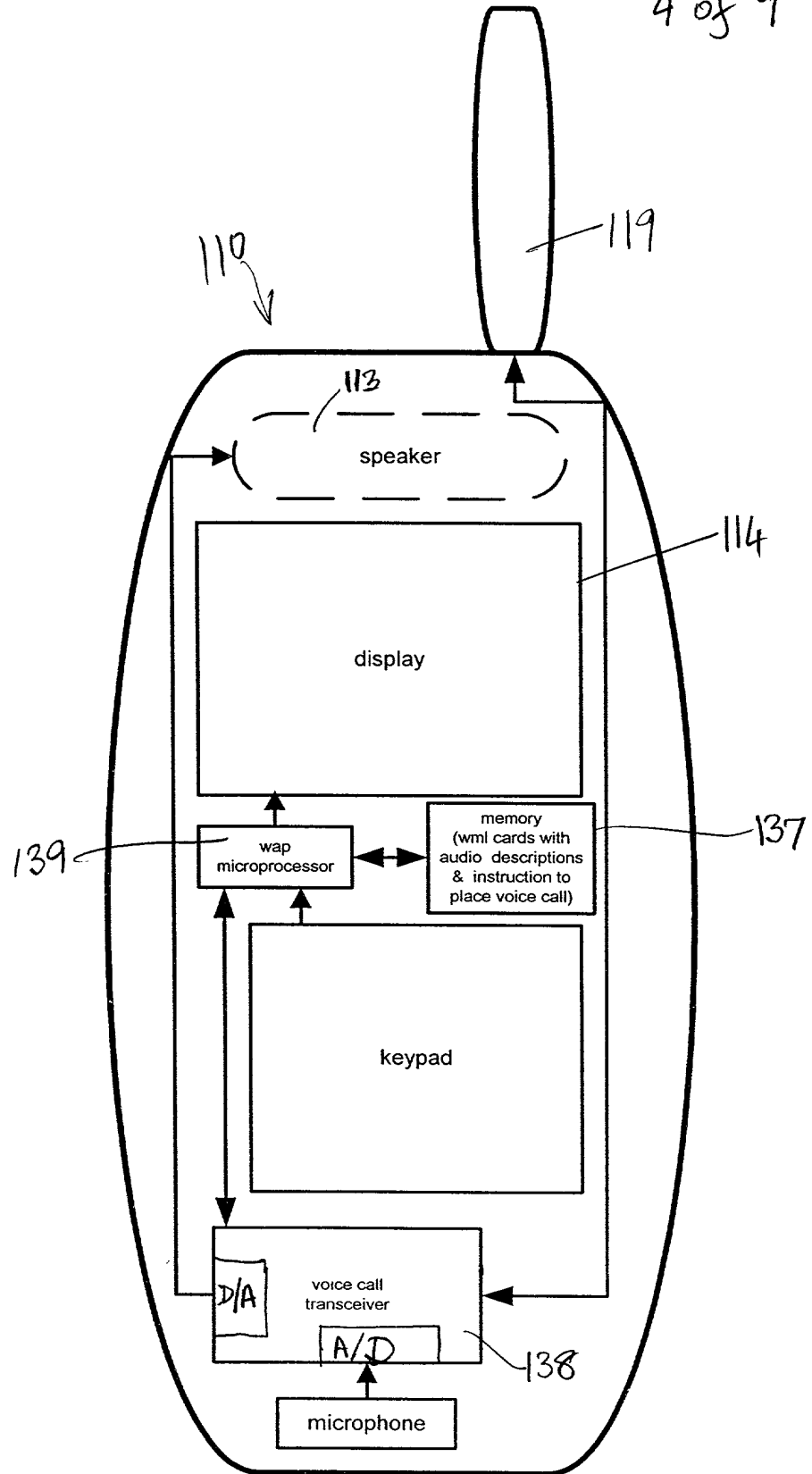
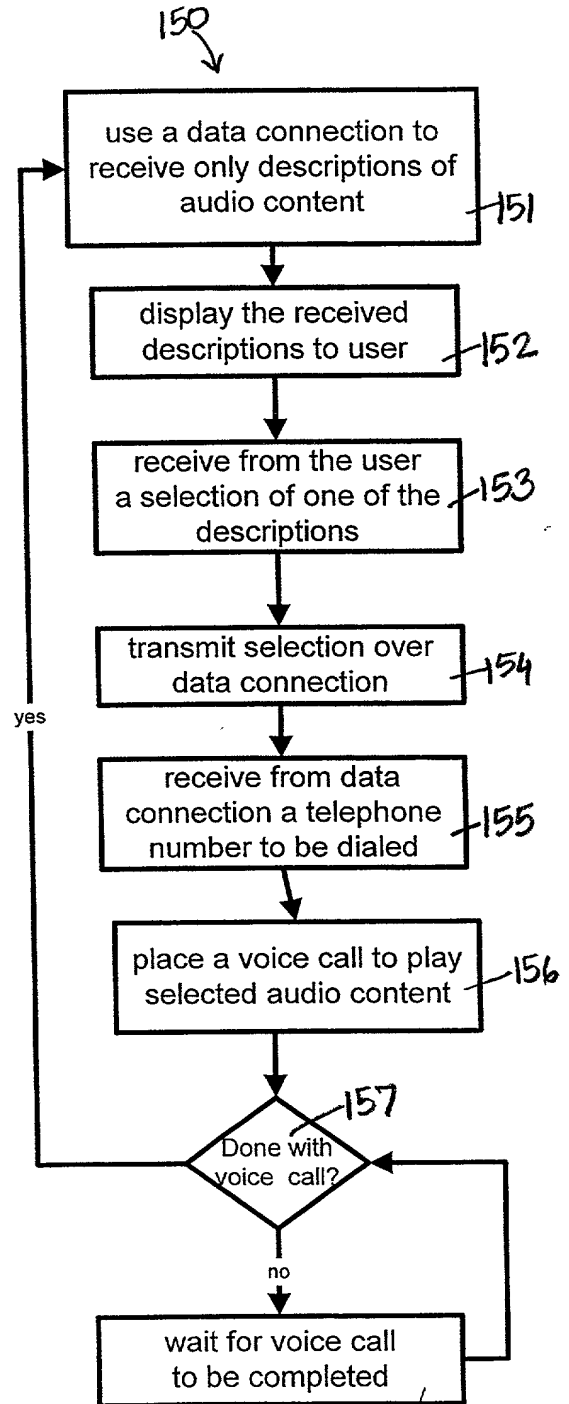
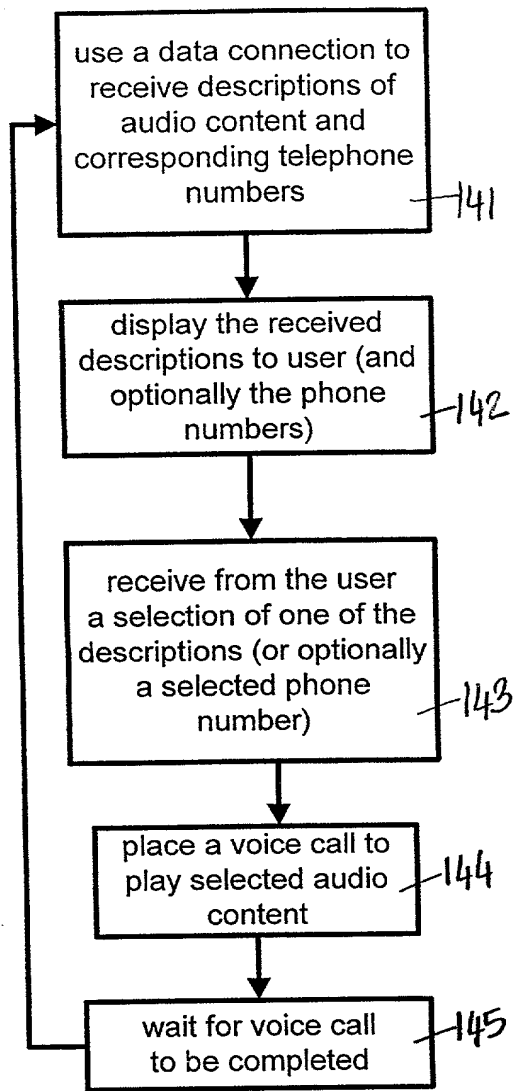


FIG. 6B



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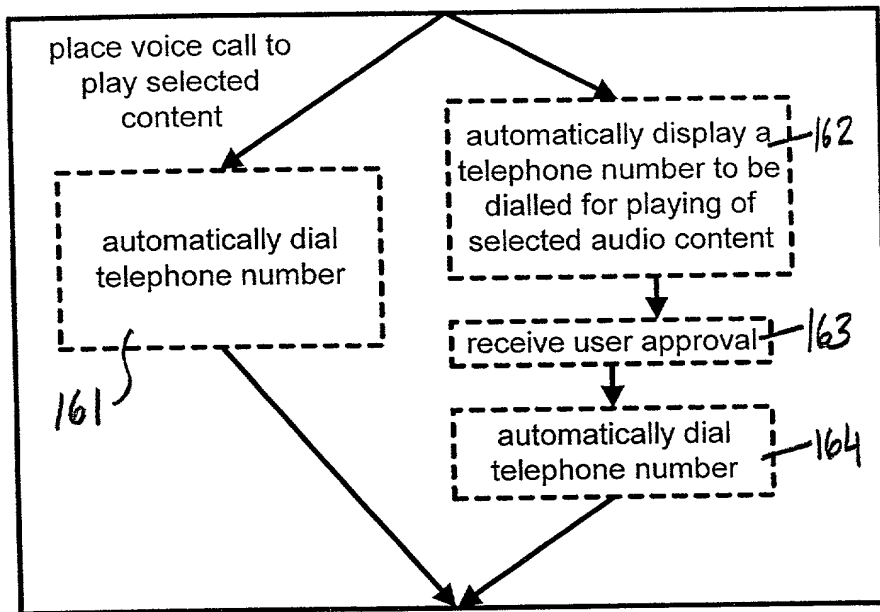


FIG. 9

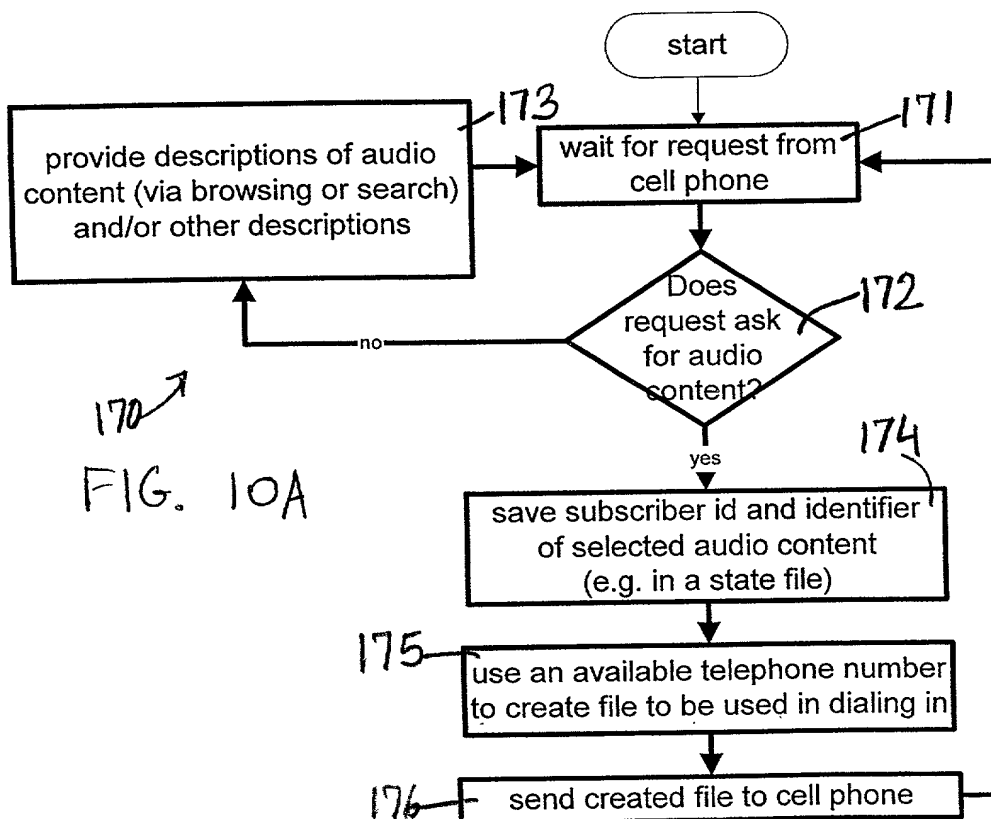


FIG. 10A

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content (dbo)							Example Data	
Column Name	Datatype	Length	Precision	Scale	Allow Nulls			
content_id	int	4	10	0				1513
subcategory_id	int	4	10	0				151300012
crawl_id	int	4	10	0				1265
content_num	int	4	10	0				0
description	varchar	80	0	0				headlines for intel
crawler_info	varchar	200	0	0				<NULL>
body_url	varchar	400	0	0				<NULL>
title_file	varchar	127	0	0				N
title_type	char	1	0	0				11BLUE01\content\stock\blat.txt
body_file	varchar	127	0	0				T
body_type	char	1	0	0				<NULL>
encoding_file	varchar	127	0	0				<NULL>
encoding_id	int	4	10	0				<NULL>

FIG. 10B

subcategory (dbo)							Example Data	
Column Name	Datatype	Length	Precision	Scale	Allow Nulls			
subcategory_id	int	4	10	0				1000001
crawl_id	int	4	10	0				21011
category_id	int	4	10	0				1
description	varchar	80	0	0				CNN NEWS
content_type	char	1	0	0				A
prompt_file	varchar	127	0	0				11BLUE1\BW\PROMPTS\CNN.WAV
prompt_type	char	1	0	0				A
play_until	char	1	0	0				B
html_name	varchar	100	0	0				CNN NEWS
crawler_name	varchar	200	0	0				<NULL>
average_duration	int	4	10	0				<NULL>
url	varchar	256	0	0				<NULL>
active	char	1	0	0				Y
default_chosen	char	1	0	0				Y
quality_id	int	4	10	0				1
warning_hours_num	int	4	10	0				3
id_name	varchar	256	0	0				CNN-NEWS-GENERAL-radio-CNN
active_nuance	char	1	0	0				Y

FIG. 10C

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category *						
Column Name	Datatype	Length	Precision	Scale	Allow Nulls	
category_id	int	4	10	0	<input type="checkbox"/>	
description	varchar	80	0	0	<input type="checkbox"/>	
prompt_file	varchar	127	0	0	<input type="checkbox"/>	
prompt_type	char	1	0	0	<input type="checkbox"/>	
id_name	varchar	256	0	0	<input checked="" type="checkbox"/>	
					<input type="checkbox"/>	
					<input type="checkbox"/>	

FIG. 10D

user (dbo)							Example Data	
Column Name	Datatype	Length	Precision	Scale	Allow Nulls			
user_id	int	4	10	0	<input type="checkbox"/>		8	
username	varchar	10	0	0	<input type="checkbox"/>		1357	
passwd_digit	varchar	10	0	0	<input type="checkbox"/>		6666	
passwd_audio	varchar	127	0	0	<input checked="" type="checkbox"/>		<null>	
first_name	varchar	30	0	0	<input type="checkbox"/>		David	
middle_name	varchar	30	0	0	<input checked="" type="checkbox"/>			
last_name	varchar	30	0	0	<input type="checkbox"/>		Park	
birth_date	char	10	0	0	<input checked="" type="checkbox"/>		20000101	
zip_post	varchar	30	0	0	<input checked="" type="checkbox"/>		95070	
sex	char	1	0	0	<input checked="" type="checkbox"/>		M	
email	varchar	80	0	0	<input type="checkbox"/>		David.Park@bluewinless.com	
volume	smallint	2	5	0	<input type="checkbox"/>		5	
speechrec_setting	char	1	0	0	<input type="checkbox"/>		M	
trace	char	1	0	0	<input type="checkbox"/>		F	
status	char	1	0	0	<input type="checkbox"/>		0	
content_id	int	4	10	0	<input checked="" type="checkbox"/>		1	
content_type	char	1	0	0	<input type="checkbox"/>		R	
last_visit	datetime	8	0	0	<input checked="" type="checkbox"/>		1/1/00	
user_model	varchar	127	0	0	<input checked="" type="checkbox"/>		<null>	
use_personalization	char	1	0	0	<input type="checkbox"/>		T	
company_id	int	4	10	0	<input checked="" type="checkbox"/>		1	
subscriber_id	int	4	10	0	<input checked="" type="checkbox"/>		18732149	

FIG. 10E

FIG. 11

